

## AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph which begins on page 1, line 10 and ends on line 11, with the following rewritten paragraph:

Such sound or ultrasound sensors are applied in many branches of industry, e.g. in the ~~foods~~ food industry, the water and wastewater sectors, and in chemicals.

Please replace the paragraph which begins on page 4, line 6 and ends on line 8, with the following rewritten paragraph:

In order to achieve as good a ~~matching~~ match as possible, and, thus, ~~[[a]]~~ the highest possible sound pressure, the matching layer 7 has preferably a thickness corresponding to a quarter of the wavelength of the produced sound or ultrasound waves.

Please replace the paragraph which begins on page 4, line 18 and ends on line 23, with the following rewritten paragraph:

In order, nevertheless, to obtain the desired Gauss bending line with as great a half-value width as possible, the matching layer 7, therefore, preferably has a groove 11 extending annularly at, and around, its outer edge, on the floor-far side thereof. An outer, lateral bounding of the groove 11 can be, in this case, as shown in Fig. 1, a part of the matching layer 7. However, ~~also~~ the ring 9 itself can also provide the outer, lateral bounding of the groove 11.

Please replace the paragraph which begins on page 4, line 24 and ends on line 28, with the following rewritten paragraph:

Investigations have shown that the half-value width of the radiating surface increases with increasing depth T of the groove. However, with respect to a coupling to the housing 1, the depth T does have an optimum value. The groove 11, therefore,

preferably exhibits a maximum depth, at which a coupling to the housing 1 remains small.

Please replace the paragraph which begins on page 4, line 29 and ends on page 5, line 3, with the following rewritten paragraph:

The following is an example for the dimensions of the components of a sound or ultrasound sensor of the invention. In the case of a piezoelectric element 5 having a diameter of about 40 mm, the matching layer 7 has, for example, a diameter of about 50 mm and the groove 11 a width of, for example, 5 mm. An optimum depth of the groove 11 amounts, in this example of an embodiment, to about 5 mm.